

EFS

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/655,543 A
Source: 1 Fw16.
Date Processed by STIC: 12/27/06

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 12/27/2006
PATENT APPLICATION: US/10/655,543A TIME: 13:54:26

HLL-ST25.txt Input Set : N:\efs\12_27_06\10655543A_efs\1312-03-2006-12-21-
Output Set: N:\CRF4\12272006\J655543A.raw

3 <110> APPLICANT: Shattuck, Donna M.
4 Stone, Steven
5 Russell, Deanna L
6 Abkevich, Victor
7 Hunt, Steven
9 <120> TITLE OF INVENTION: OBESITY GENE AND USE THEREOF
11 <130> FILE REFERENCE: 1312.03
13 <140> CURRENT APPLICATION NUMBER: US 10/655,543A
14 <141> CURRENT FILING DATE: 2003-09-03
16 <160> NUMBER OF SEQ ID NOS: 108
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 3507
22 <212> TYPE: DNA
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29 accaAGcaag tccggCTTg cgtttcacCC tctggactGA gatgtgaacc tgagCCaggg 240
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33 cctgagatCA tcagCTccAT ccgtcaggCG gggaaGatCG cccggcaggA ggagCTgcAC 480
34 tgccCTgcg agttcgacGA cacTTTCC aagaagtTCg aggtgCTtCT ctgcggCCgc 540
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37 cccacaggGA gccaggAGCC tgcgcgCagg cccatgcgCA agtCCTtCTC ccagCCCGC 720
38 ctgcgCTgc tggcCTttag gaaggagCTg caggatgggg gCtCCGAAG cagCggCTtC 780
39 ttcaGCTtCT tcgaggAGAG cgacattgAG aaccacCTCA tttagCggaca caatattgtG 840
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41 tacctcatCA gtcctgacAC caaaaaAAAtA gcatTTgAGA aaaatttTA ggagatATCC 960
42 ttttgcTtCtC agggcatCAG acacgtggAC cactttggGT ttatctgtCG ggagtCTtCC 1020
43 ggaggTggCG gcttCattt tgctgttAC gtgtttCAGt gcaacaAtGA ggctotggTT 1080
44 gatgaaAttA tgatgacCCt gaaacaggCC ttcacggTgg cCGcagtGCa gcagacAGCT 1140
45 aaggcGCCAG cccagCTgtG tgagggCTgC cccCTgCAAA gCtCgcACAA gCtCgtgAG 1200
46 aggatAGAGG gaatgaATtC ttccAAAACA aaactAGAAC tgcaAAAGCA cctgacgaca 1260
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see p. 6

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84	ccagctccgc	tgtcgccccca	gcaggccttc	aggaggcgag	caaacaccct	gagtcacttc	1800										
86	cccatcgaat	gccaggaacc	tccacaacct	gcccgggggt	ccccgggggt	ttcgcaaagg	1860										
88	aaacttatga	ggtatcactc	agtgagcaca	gagacgcctc	atgaacgaaa	ggactttgaa	1920										
90	tccaaagcaa	accatcttgg	tgattctgg	gggactcctg	tgaagacccg	gaggcattcc	1980										
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176 Lys Pro Gln Arg Val His Lys Leu Ile His Asn Ser His Asp Pro Ser
 177 100 105 110
 180 Tyr Phe Ala Cys Leu Ile Lys Glu Asp Ala Val His Arg Gln Ser Ile
 181 115 120 125
 184 Cys Tyr Val Phe Lys Ala Asp Asp Gln Thr Lys Val Pro Glu Ile Ile
 185 130 135 140
 188 Ser Ser Ile Arg Gln Ala Gly Lys Ile Ala Arg Gln Glu Glu Leu His
 189 145 150 155 160
 192 Cys Pro Ser Glu Phe Asp Asp Thr Phe Ser Lys Lys Phe Glu Val Leu
 193 165 170 175
 196 Phe Cys Gly Arg Val Thr Val Ala His Lys Lys Ala Pro Pro Ala Leu
 197 180 185 190
 200 Ile Asp Glu Cys Ile Glu Lys Phe Asn His Val Ser Gly Ser Arg Gly
 201 195 200 205
 204 Ser Glu Ser Pro Arg Pro Asn Pro Pro His Ala Ala Pro Thr Gly Ser
 205 210 215 220
 208 Gln Glu Pro Val Arg Arg Pro Met Arg Lys Ser Phe Ser Gln Pro Gly
 209 225 230 235 240
 212 Leu Arg Ser Leu Ala Phe Arg Lys Glu Leu Gln Asp Gly Gly Leu Arg
 213 245 250 255
 216 Ser Ser Gly Phe Phe Ser Ser Phe Glu Glu Ser Asp Ile Glu Asn His
 217 260 265 270
 220 Leu Ile Ser Gly His Asn Ile Val Gln Pro Thr Asp Ile Glu Glu Asn
 221 275 280 285
 224 Arg Thr Met Leu Phe Thr Ile Gly Gln Ser Glu Val Tyr Leu Ile Ser
 225 290 295 300
 228 Pro Asp Thr Lys Lys Ile Ala Leu Glu Lys Asn Phe Lys Glu Ile Ser
 229 305 310 315 320
 232 Phe Cys Ser Gln Gly Ile Arg His Val Asp His Phe Gly Phe Ile Cys
 233 325 330 335
 236 Arg Glu Ser Ser Gly Gly Gly Phe His Phe Val Cys Tyr Val Phe
 237 340 345 350
 240 Gln Cys Thr Asn Glu Ala Leu Val Asp Glu Ile Met Met Thr Leu Lys
 241 355 360 365
 244 Gln Ala Phe Thr Val Ala Ala Val Gln Gln Thr Ala Lys Ala Pro Ala
 245 370 375 380
 248 Gln Leu Cys Glu Gly Cys Pro Leu Gln Ser Leu His Lys Leu Cys Glu
 249 385 390 395 400
 252 Arg Ile Glu Gly Met Asn Ser Ser Lys Thr Lys Leu Glu Leu Gln Lys
 253 405 410 415
 256 His Leu Thr Thr Leu Thr Asn Gln Glu Gln Ala Thr Ile Phe Glu Glu
 257 420 425 430
 260 Val Gln Lys Leu Arg Pro Arg Asn Glu Gln Arg Glu Asn Glu Leu Ile
 261 435 440 445
 264 Ile Ser Phe Leu Arg Cys Leu Tyr Glu Glu Lys Gln Lys Glu His Ile
 265 450 455 460
 268 His Ile Gly Glu Met Lys Gln Thr Ser Gln Met Ala Ala Glu Asn Ile
 269 465 470 475 480
 272 Gly Ser Glu Leu Pro Pro Ser Ala Thr Arg Phe Arg Leu Asp Met Leu

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Output Set: N:\CRF4\12272006\J655543A.raw

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280 Ser Arg Gly Asn Lys Ala Arg Gly Leu Gln Glu His Ser Ile Ser Val			
281	515	520	525
284 Asp Leu Asp Ser Ser Leu Ser Ser Thr Leu Ser Asn Thr Ser Lys Glu			
285	530	535	540
288 Pro Ser Val Cys Glu Lys Glu Ala Leu Pro Ile Ser Glu Ser Ser Phe			
289	545	550	555
292 Lys Leu Leu Gly Ser Ser Glu Asp Leu Ser Ser Asp Ser Glu Ser His			
293	565	570	575
296 Leu Pro Glu Glu Pro Ala Pro Leu Ser Pro Gln Gln Ala Phe Arg Arg			
297	580	585	590
300 Arg Ala Asn Thr Leu Ser His Phe Pro Ile Glu Cys Gln Glu Pro Pro			
301	595	600	605
304 Gln Pro Ala Arg Gly Ser Pro Gly Val Ser Gln Arg Lys Leu Met Arg			
305	610	615	620
308 Tyr His Ser Val Ser Thr Glu Thr Pro His Glu Arg Lys Asp Phe Glu			
309	625	630	635
312 Ser Lys Ala Asn His Leu Gly Asp Ser Gly Gly Thr Pro Val Lys Thr			
313	645	650	655
316 Arg Arg His Ser Trp Arg Gln Gln Ile Phe Leu Arg Val Ala Thr Pro			
317	660	665	670
320 Gln Lys Ala Cys Asp Ser Ser Arg Tyr Glu Asp Tyr Ser Glu Leu			
321	675	680	685
324 Gly Glu Leu Pro Pro Arg Ser Pro Leu Glu Pro Val Cys Glu Asp Gly			
325	690	695	700
328 Pro Phe Gly Pro Pro Pro Glu Glu Lys Lys Arg Thr Ser Arg Glu Leu			
329	705	710	715
332 Arg Glu Leu Trp Gln Lys Ala Ile Leu Gln Gln Ile Leu Leu Leu Arg			
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336 Met Glu Lys Glu Asn Gln Lys Leu Gln Ala Ser Glu Asn Asp Leu Leu			
337	740	745	750
340 Asn Lys Arg Leu Lys Leu Asp Tyr Glu Glu Ile Thr Pro Cys Leu Lys			
341	755	760	765
344 Glu Val Thr Thr Val Trp Glu Lys Met Leu Ser Thr Pro Gly Arg Ser			
345	770	775	780
348 Lys Ile Lys Phe Asp Met Glu Lys Met His Ser Ala Val Gly Gln Gly			
349	785	790	795
352 Val Pro Arg His His Arg Gly Glu Ile Trp Lys Phe Leu Ala Glu Gln			
353	805	810	815
356 Phe His Leu Lys His Gln Phe Pro Ser Lys Gln Gln Pro Lys Asp Val			
357	820	825	830
360 Pro Tyr Lys Glu Leu Leu Lys Gln Leu Thr Ser Gln Gln His Ala Ile			
361	835	840	845
364 Leu Ile Asp Leu Gly Arg Thr Phe Pro Thr His Pro Tyr Phe Ser Ala			
365	850	855	860
368 Gln Leu Gly Ala Gly Gln Leu Ser Leu Tyr Asn Ile Leu Lys Ala Tyr			
369	865	870	875
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372 Ser Leu Leu Asp Gln Glu Val Gly Tyr Cys Gln Gly Leu Ser Phe Val
 373 885 890 895
 376 Ala Gly Ile Leu Leu Leu His Met Ser Glu Glu Glu Ala Phe Lys Met
 377 900 905 910
 380 Leu Lys Phe Leu Met Phe Asp Met Gly Leu Arg Lys Gln Tyr Arg Pro
 381 915 920 925
 384 Asp Met Ile Ile Leu Gln Ile Gln Met Tyr Gln Leu Ser Arg Leu Leu
 385 930 935 940
 388 His Asp Tyr His Arg Asp Leu Tyr Asn His Leu Glu Glu His Glu Ile
 389 945 950 955 960
 392 Gly Pro Ser Leu Tyr Ala Ala Pro Trp Phe Leu Thr Met Phe Ala Ser
 393 965 970 975
 396 Gln Phe Pro Leu Gly Phe Val Ala Arg Val Phe Asp Met Ile Phe Leu
 397 980 985 990
 400 Gln Gly Thr Glu Val Ile Phe Lys Val Ala Leu Ser Leu Leu Gly Ser
 401 995 1000 1005
 404 His Lys Pro Leu Ile Leu Gln His Glu Asn Leu Glu Thr Ile Val
 405 1010 1015 1020
 408 Asp Phe Ile Lys Ser Thr Leu Pro Asn Leu Gly Leu Val Gln Met
 409 1025 1030 1035
 412 Glu Lys Thr Ile Asn Gln Val Phe Glu Met Asp Ile Ala Lys Gln
 413 1040 1045 1050
 416 Leu Gln Ala Tyr Glu Val Glu Tyr His Val Leu Gln Glu Glu Leu
 417 1055 1060 1065
 420 Ile Asp Ser Ser Pro Leu Ser Asp Asn Gln Arg Met Asp Lys Leu
 421 1070 1075 1080
 424 Glu Lys Thr Asn Ser Ser Leu Arg Lys Gln Asn Leu Asp Leu Leu
 425 1085 1090 1095
 428 Glu Gln Leu Gln Val Ala Asn Gly Arg Ile Gln Ser Leu Glu Ala
 429 1100 1105 1110
 432 Thr Ile Glu Lys Leu Leu Ser Ser Glu Ser Lys Leu Lys Gln Ala
 433 1115 1120 1125
 436 Met Leu Thr Leu Glu Leu Glu Arg Ser Ala Leu Leu Gln Thr Val
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FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; Xaa Pos. 59,520,525

VERIFICATION SUMMARY

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M:341 Repeated in SeqNo=27